

**TRSK 4500  
Single Stage  
Liquid Ring Vacuum Pump**



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Yorktown, VA 23693  
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|                              |  |
|------------------------------|--|
| <b>Pressure Range</b>        | 135 to 760 TORR  |
| <b>Capacity</b>              | 9700 to 14500 CFM  |
| <b>Features</b>              | Single stage vacuum pump with external sealed bearings       |
| <b>Shaft Sealing Options</b> | Stuffing box<br>(Mechanical seal optional)                   |
| <b>Options</b>               | Bareshaft pump<br>Coupled to electric motor<br>V-Belt driven |
| <b>Optional Accessories</b>  | Available as a component in larger assembly                  |

**Technical Data**

| PUMP TYPE                   |      | TRSK 4502 |        |        |        |        |        |        |
|-----------------------------|------|-----------|--------|--------|--------|--------|--------|--------|
| Speed                       | RPM  | 236       | 250    | 266    | 280    | 298    | 312    | 330    |
| Motor - installed power     | HP   | 400       | 400    | 450    | 500    | 550    | 600    | 650    |
| Average service liquid flow | GPM  | 45-114    | 47-118 | 51-128 | 54-130 | 57-141 | 64-148 | 70-156 |
| Minimum suction pressure    | Torr | 135       | 135    | 135    | 135    | 135    | 135    | 135    |

**Standard Materials of Construction\*\***

| Part No. | Description      | F                        | A3                       |
|----------|------------------|--------------------------|--------------------------|
| 106      | Suction casing   | Cast iron                | Stainless steel AISI 316 |
| 107      | Discharge casing |                          |                          |
| 110      | Impeller housing |                          |                          |
| 210      | Shaft            | Stainless steel AISI 420 |                          |
| 357      | Bearing housing  | Cast iron                |                          |
| 230      | Impeller         | Ductile iron             | Stainless steel AISI 316 |

**Model Designation**

| <b>TRSK 4504/1-B/F</b> |   |
|------------------------|---|
| T                      | Travaini manufacturer                                     |
| R                      | Liquid ring pump  |
| S                      | Single stage pump   |
| K                      | Design revision   |
| 450..                  | Flange size (mm)  |
| ..4                    | Pump size   |
| 1                      | Construction modification                                 |
| B                      | Shaft sealing:<br>B = Packing seal<br>C = Mechanical seal |
| F                      | Materials of construction<br>(see table)                  |

\*\*Special materials available upon request  
-For further information please consult Travaini Pumps USA.

|      |        |      |           |     |            |
|------|--------|------|-----------|-----|------------|
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